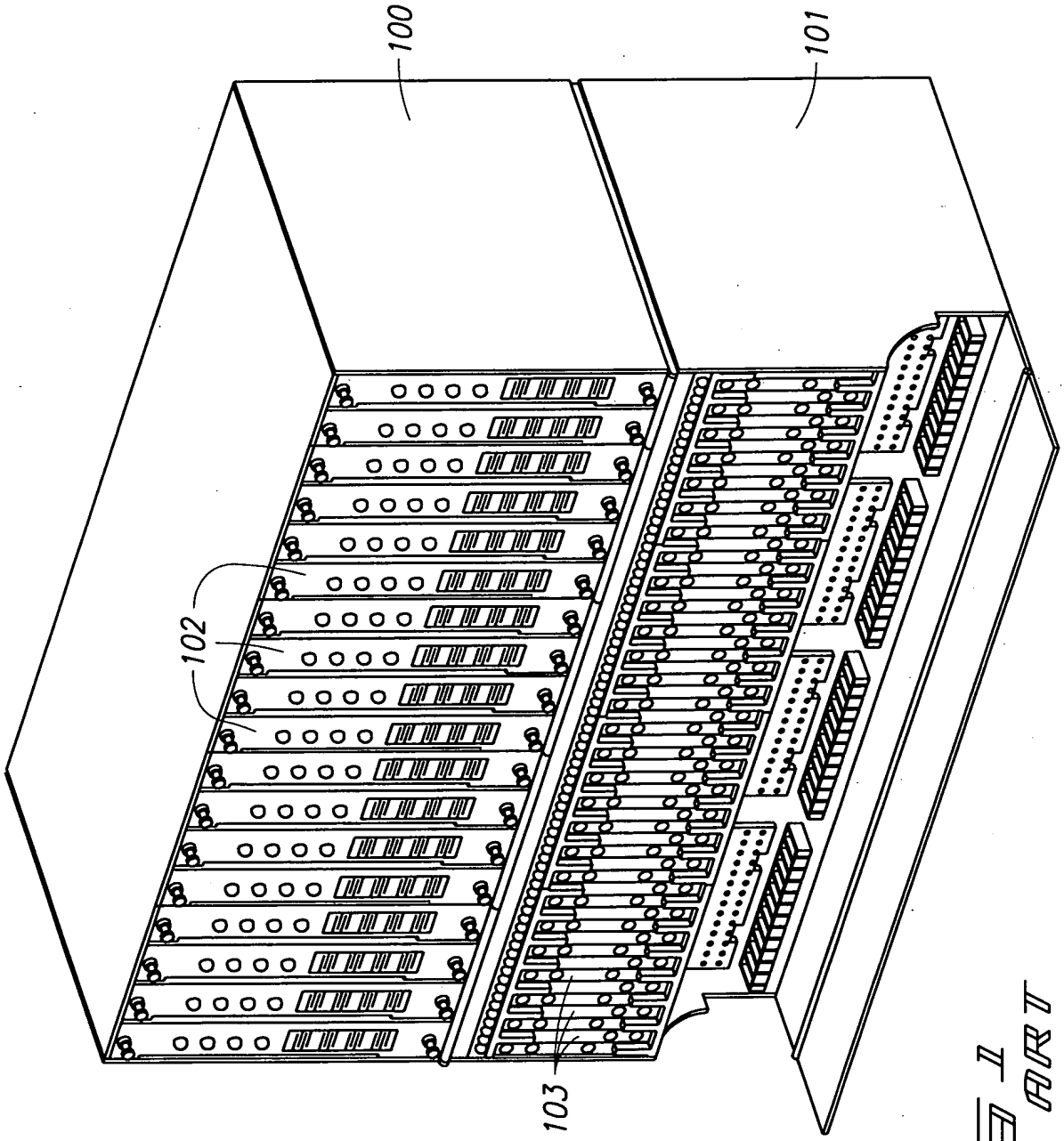


FIG 1
PRIOR ART

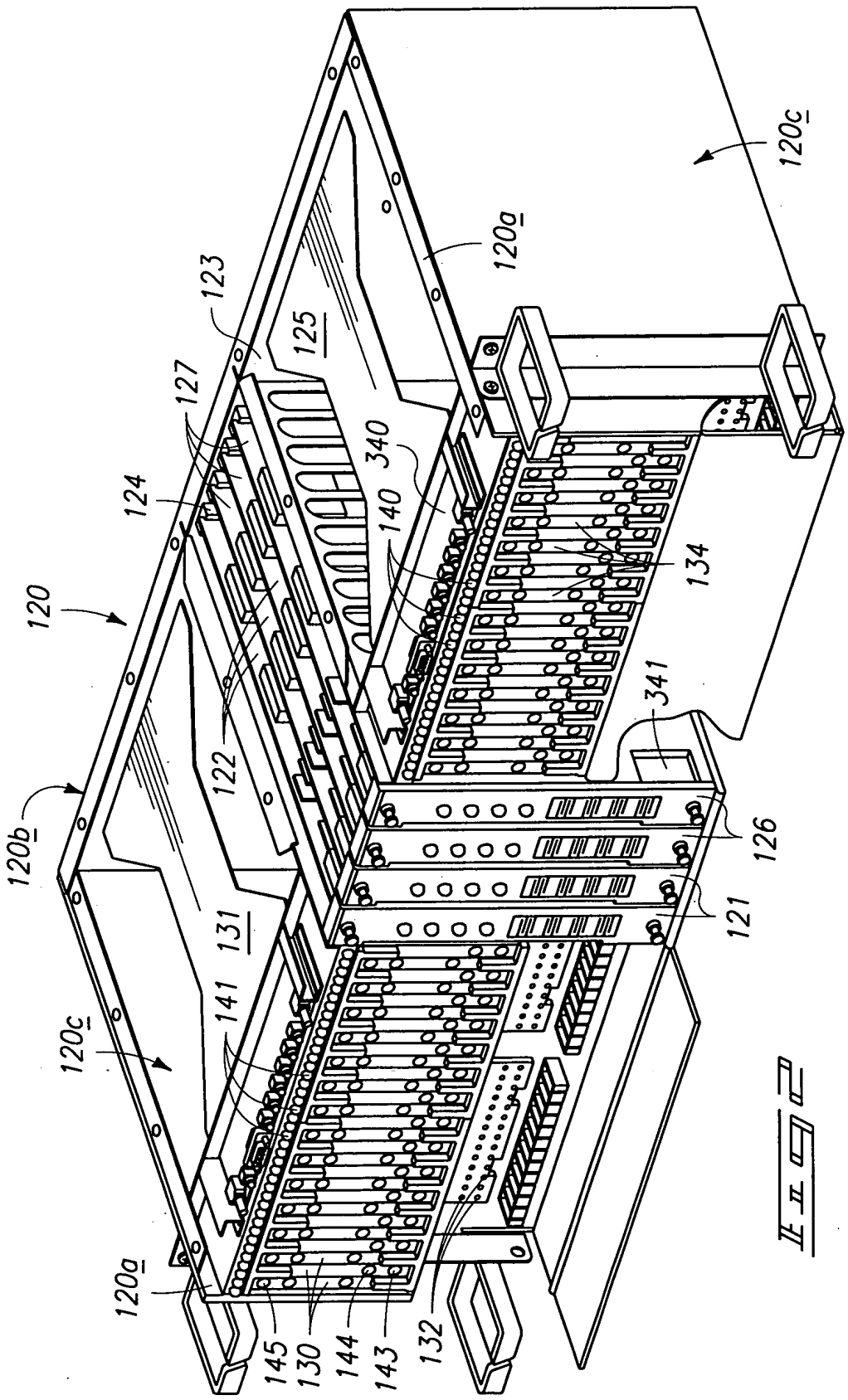

120
120a
120b
120c
120c
120a
122
123
124
125
127
131
132
134
140
141
143
144
145
340
341
121
126
130

FIG 2

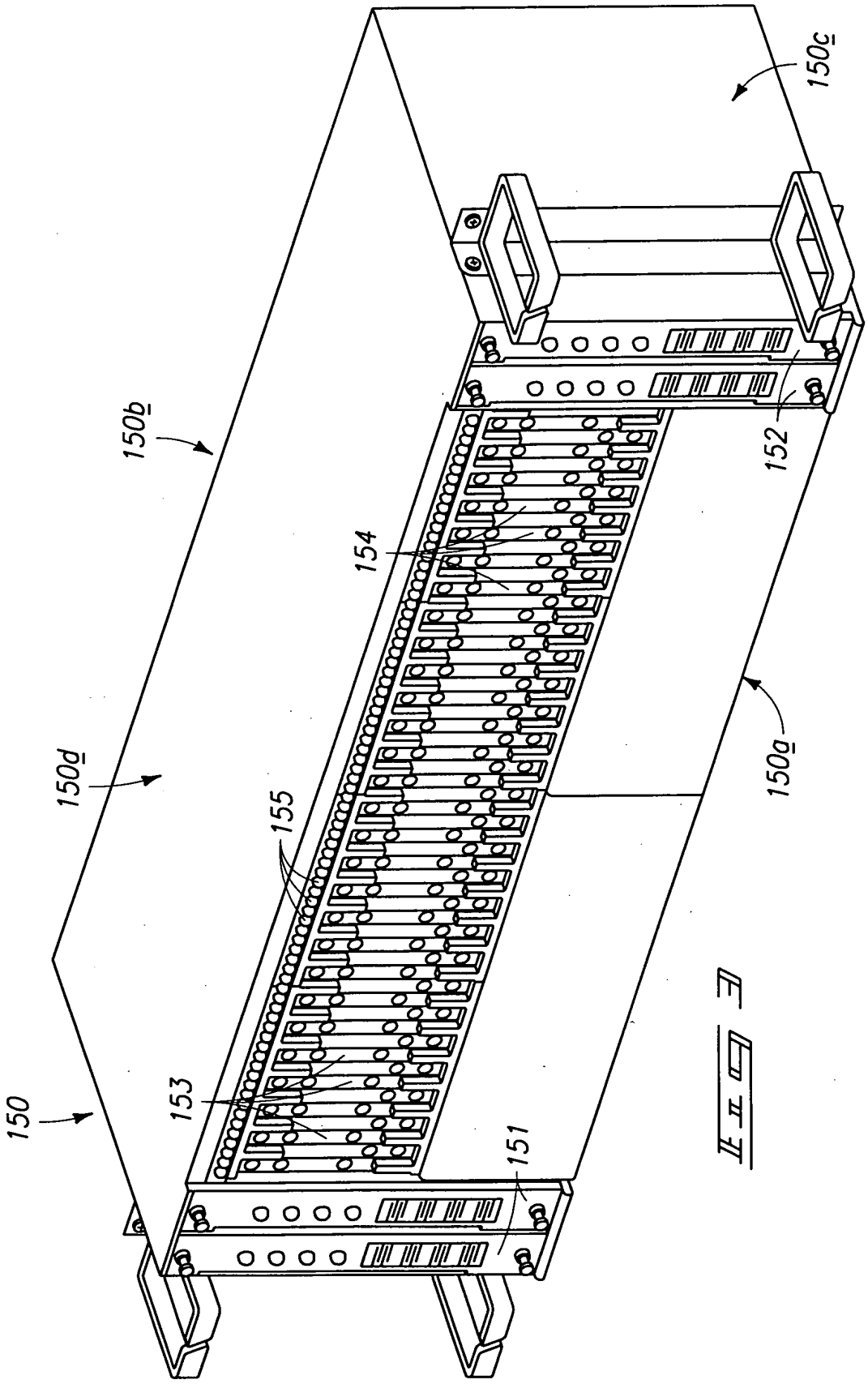


FIG 3

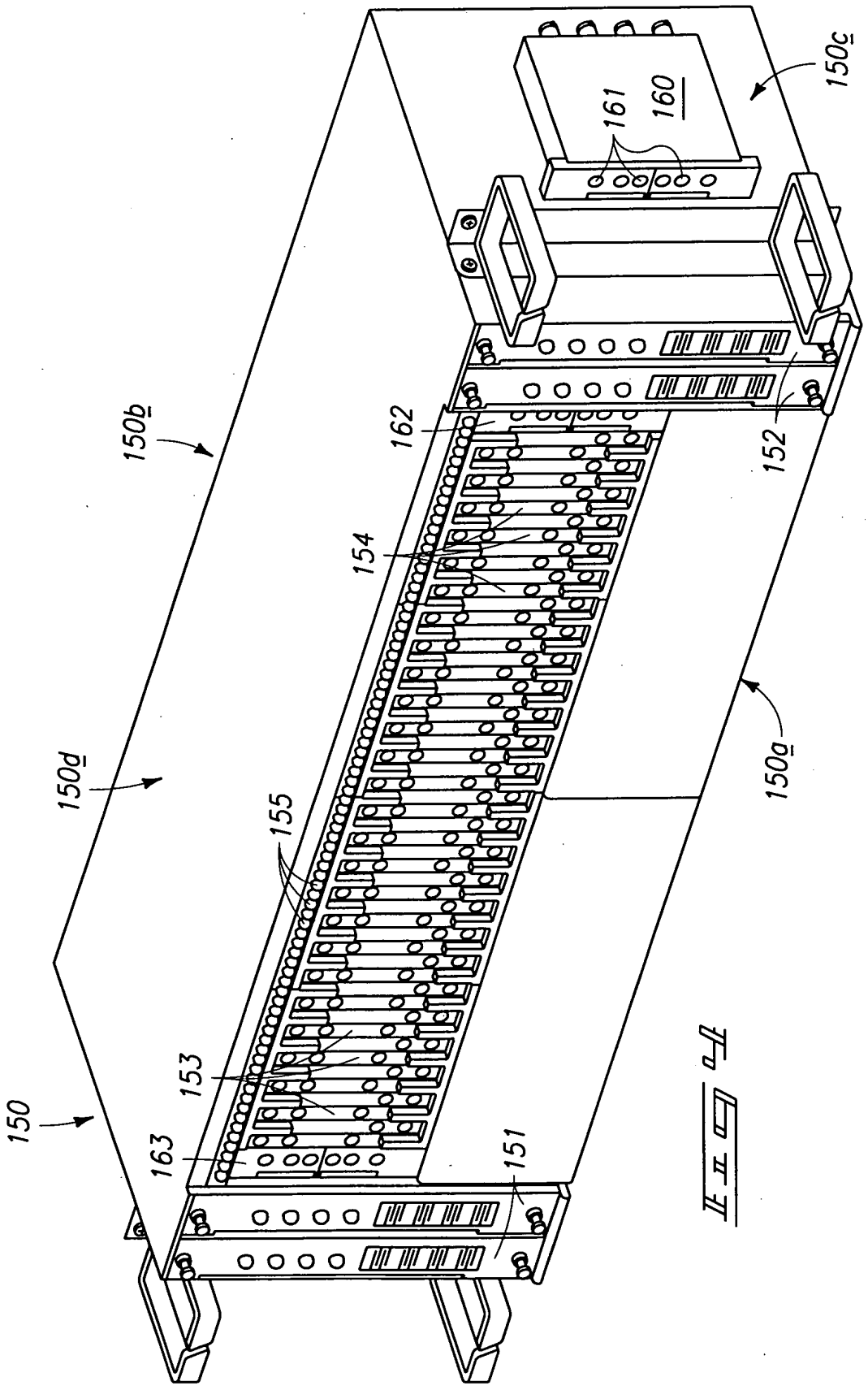


Fig 4

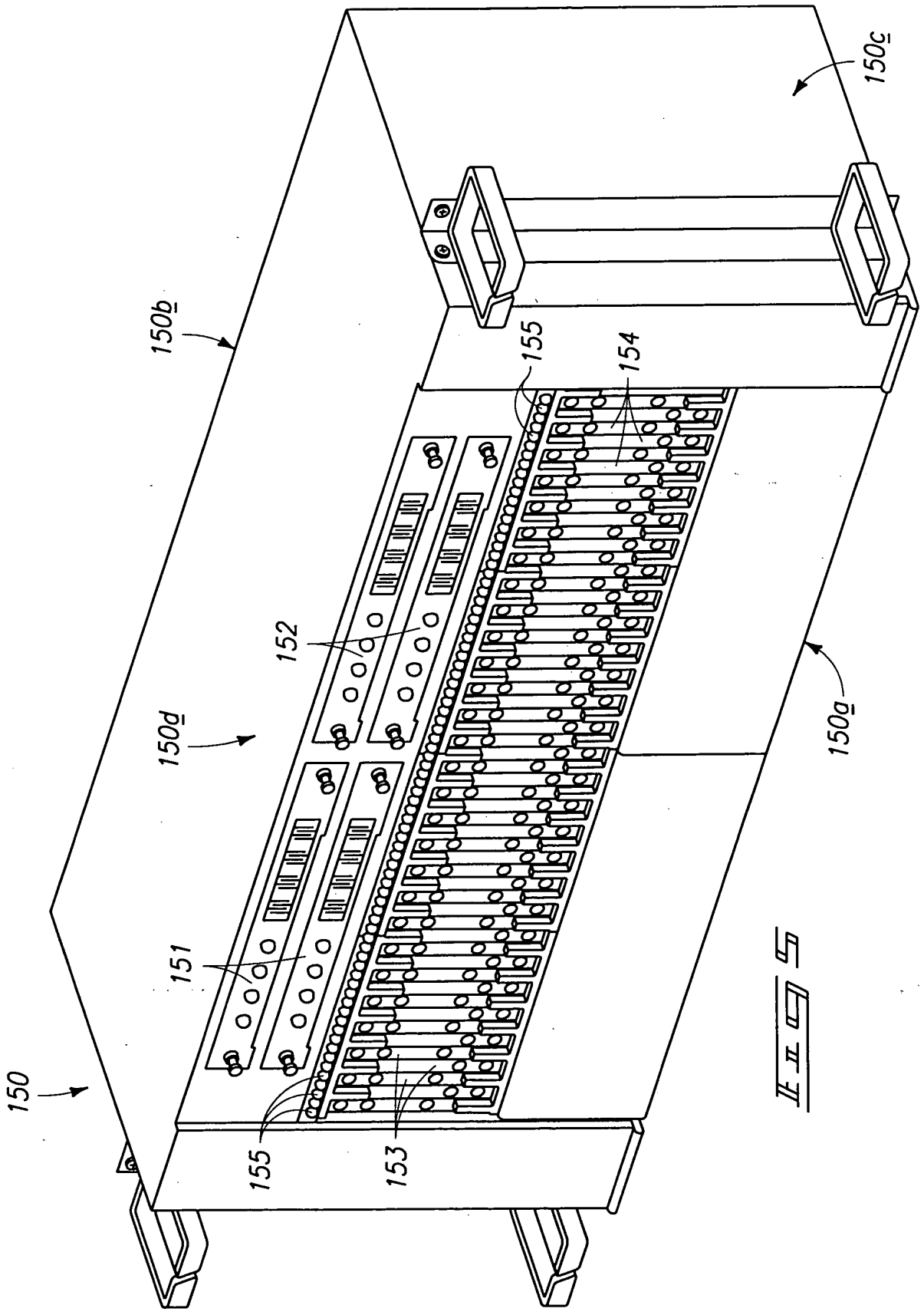


FIG 5

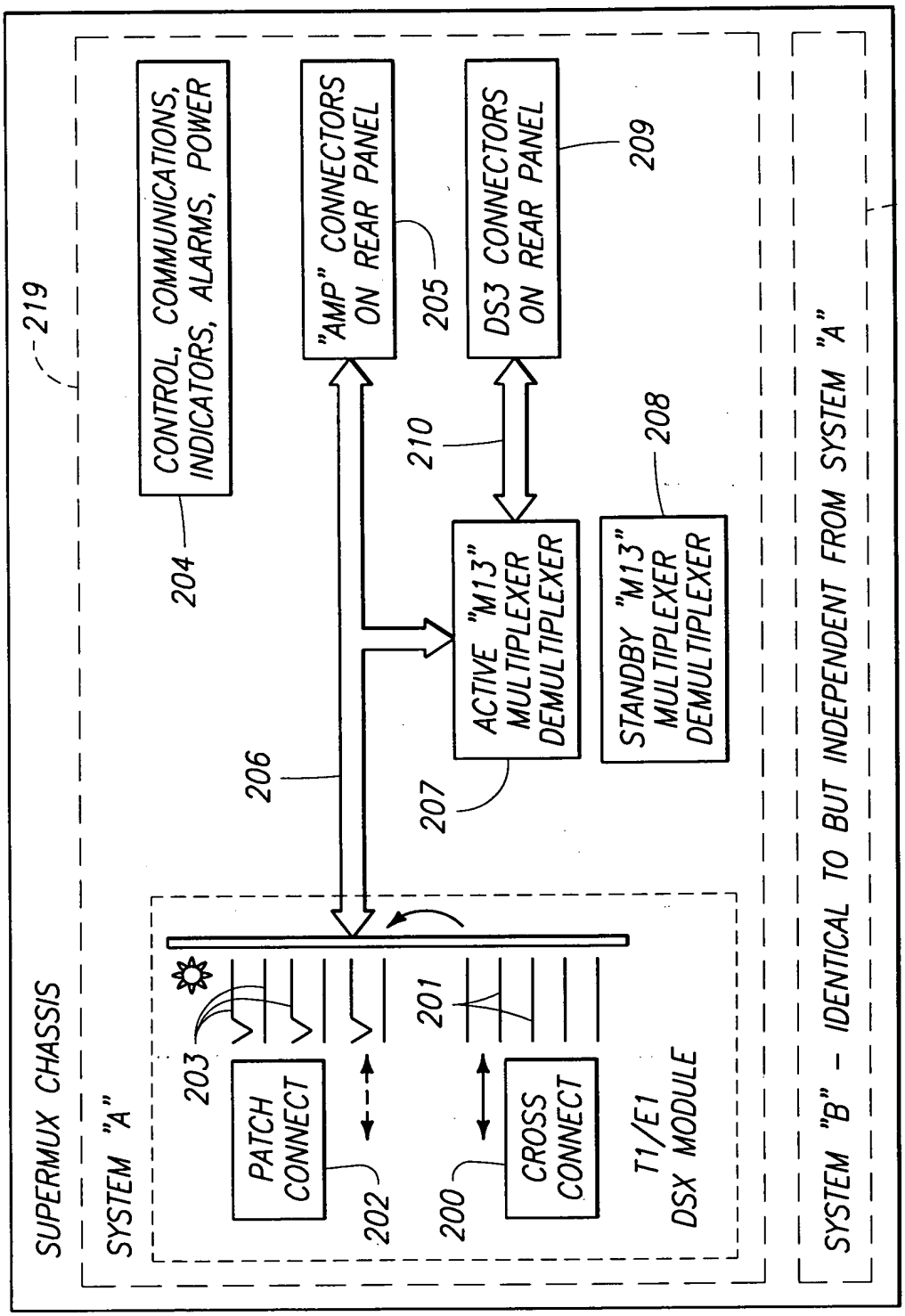

SUPERMUX CHASSIS
219
SYSTEM "A"
CONTROL, COMMUNICATIONS, INDICATORS, ALARMS, POWER
204
"AMP" CONNECTORS ON REAR PANEL
205
DS3 CONNECTORS ON REAR PANEL
209
206
210
208
ACTIVE "M13" MULTIPLEXER DEMULTIPLEXER
207
STANDBY "M13" MULTIPLEXER DEMULTIPLEXER
203
201
PATCH CONNECT
202
200
CROSS CONNECT
T1/E1 DSX MODULE
SYSTEM "B" - IDENTICAL TO BUT INDEPENDENT FROM SYSTEM "A"
220

FIG 6

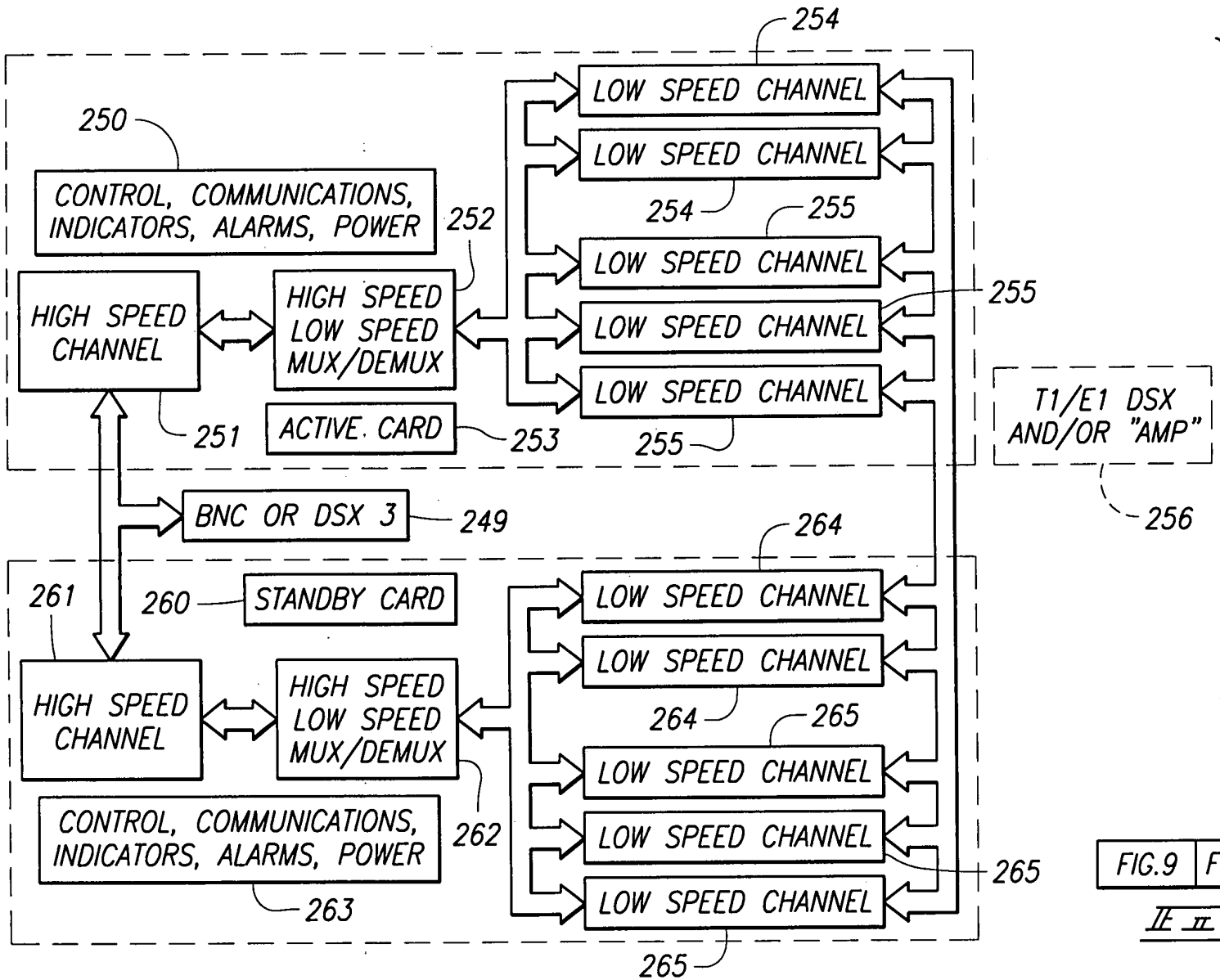


Fig 7

FIG.9	FIG.10	FIG.11

Fig 8

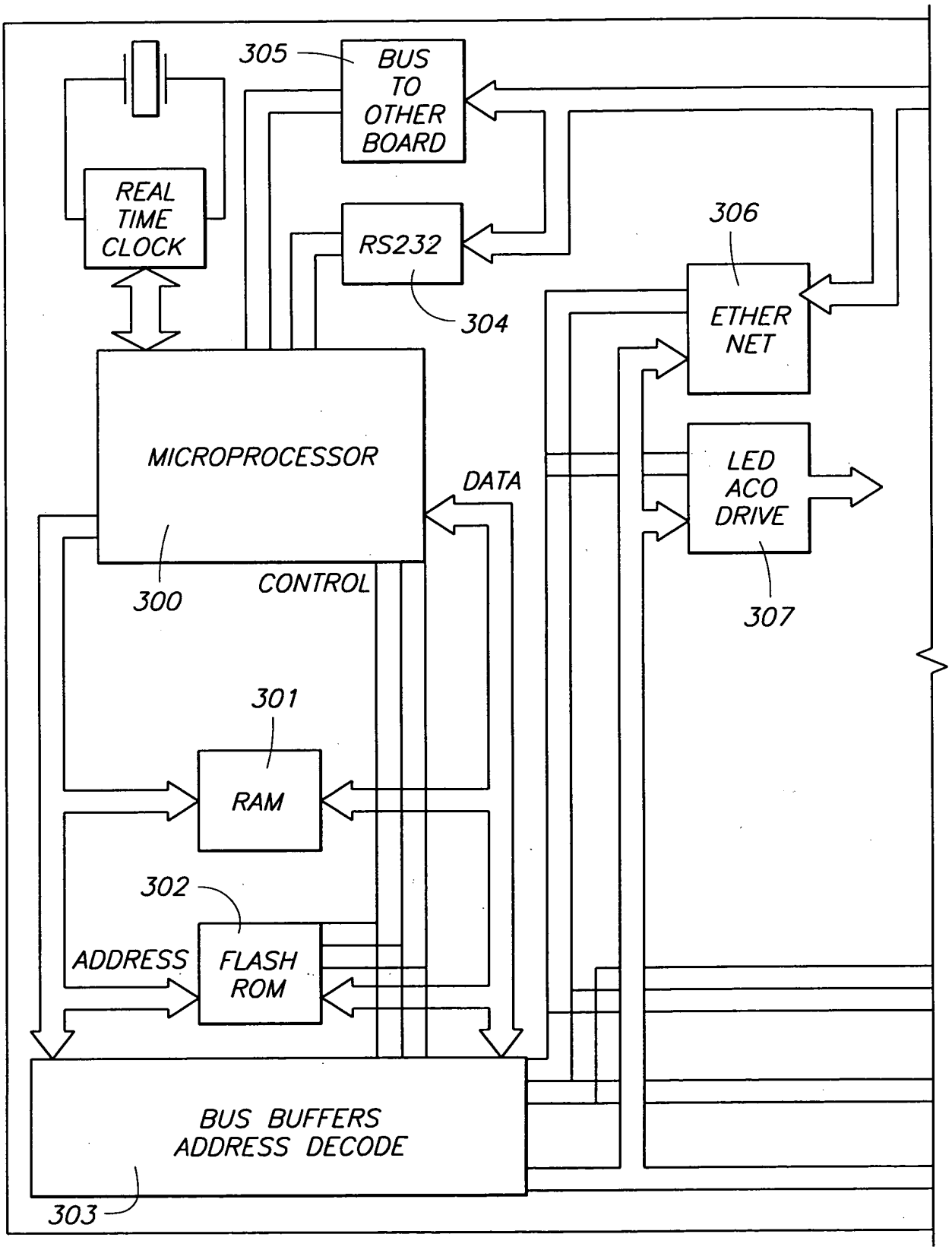
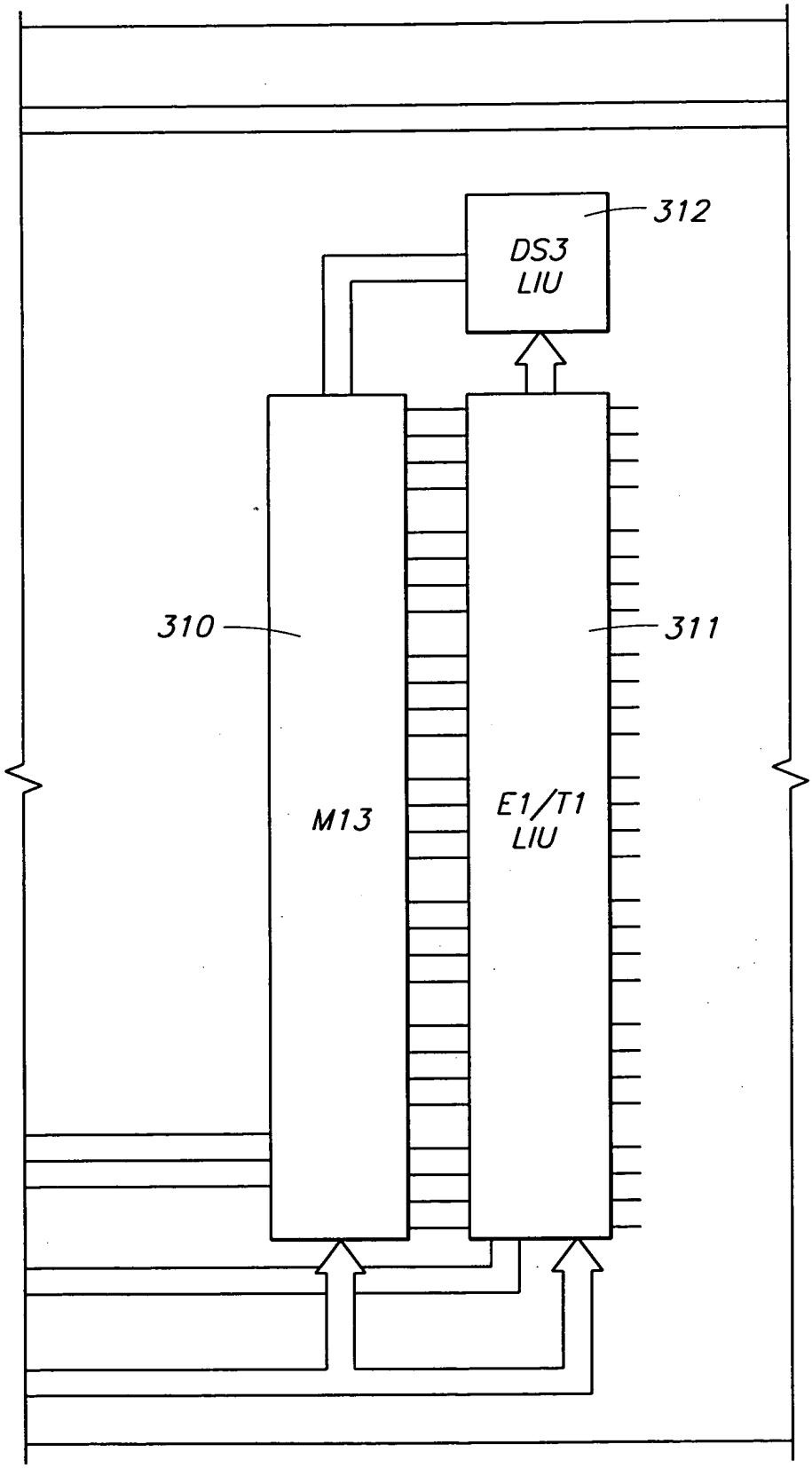

305
BUS TO OTHER BOARD
REAL TIME CLOCK
RS232
304
306
ETHER NET
MICROPROCESSOR
DATA
LED ACO DRIVE
300
CONTROL
307
301
RAM
302
ADDRESS
FLASH ROM
BUS BUFFERS ADDRESS DECODE
303

Fig 9



Фиг 10

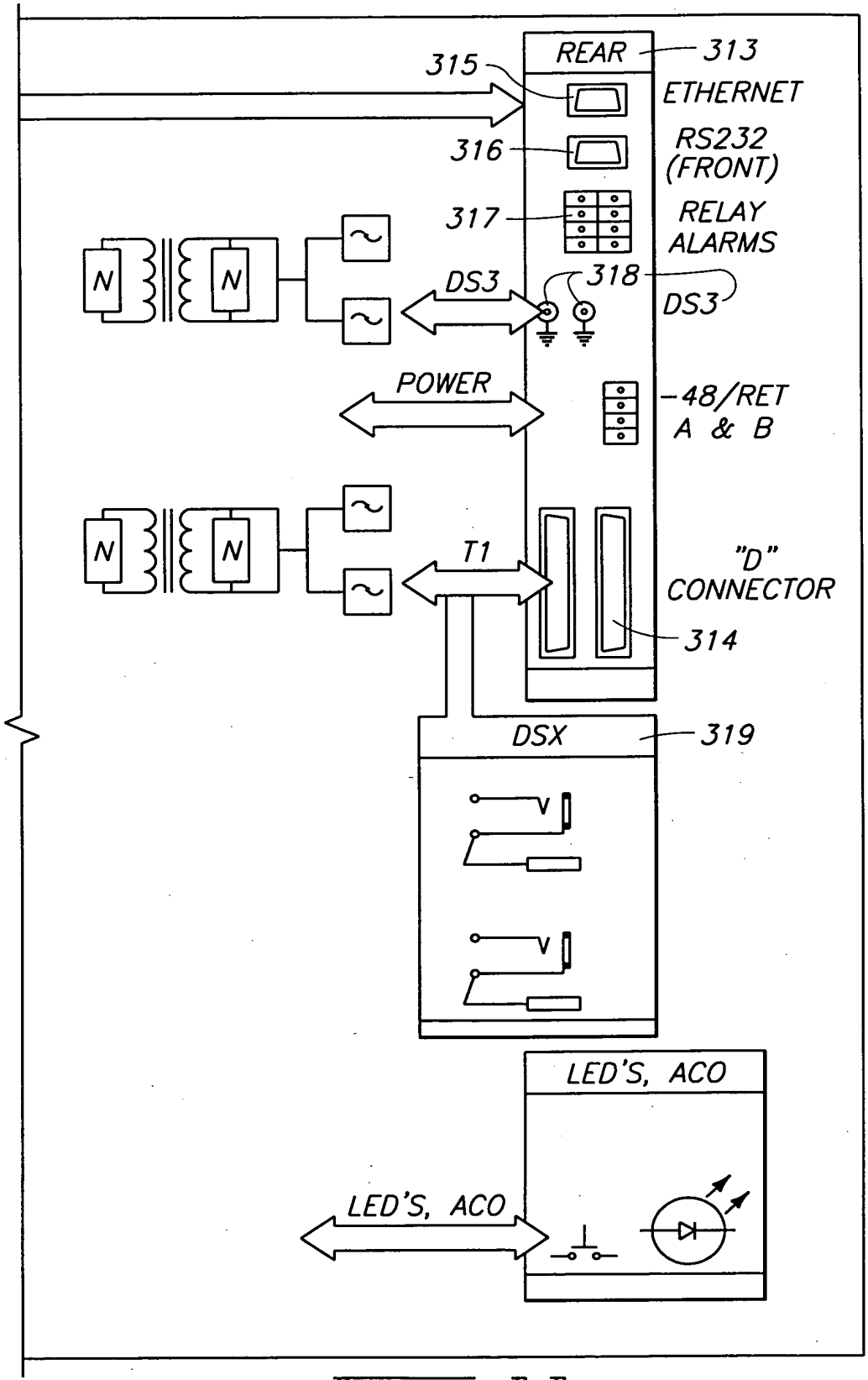

REAR
313
315
ETHERNET
316
RS232
(FRONT)
317
RELAY
ALARMS
N
N
DS3
318
DS3
POWER
-48/RET
A & B
N
N
T1
"D"
CONNECTOR
314
DSX
319
V
V
LED'S, ACO
LED'S, ACO

Fig 11

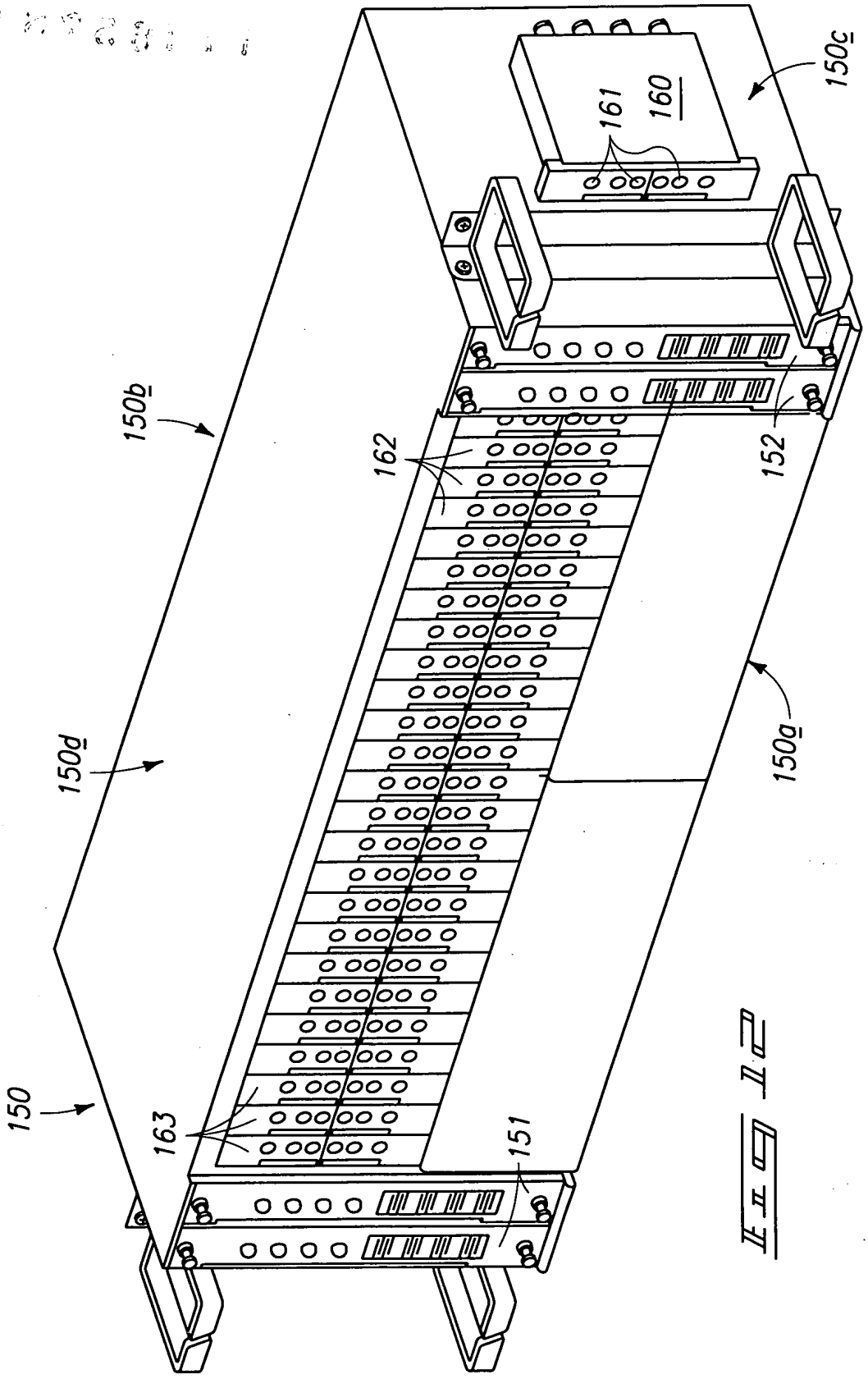


FIG 12